L	Hits	Search Text	DB	Time stamp
Number 1	1	("5845281").PN.	USPAT	2004/01/20
2	10265	"card number"	USPAT; US-PGPUB;	08:17 2004/01/20 08:36
3	2372	"card number" and encryption	EPO; JPO; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/01/20 08:36
4	2056	("card number" and encryption) and key	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/01/20 08:38
5	5510	"card number"	IBM_TDB USPAT; EPO	2004/01/20
6	1003	"card number" and encryption	USPAT; EPO	2004/01/20
7	879	("card number" and encryption) and key	USPAT; EPO	2004/01/20
8	19	("3665162"   "4227253"   "4679236"   "5144667"   "5225664"   "5485510"   "5510777"   "5590038"   "5655020"   "5661803"   "5661807"   "5680456"   "5706427"   "5719914"   "5740361"   "5761309"   "5778173"   "5790667"   "5799085").PN.	USPAT	2004/01/20 08:40
9	7	"card group number"	USPAT; EPO	2004/01/20
10	46	"smart card number"	USPAT; EPO	2004/01/20
11	1932782	"generating an encryption key" and card number	USPAT; EPO	2004/01/20
12	0	"generating an encryption key" and "card number"	USPAT; EPO	2004/01/20
13	344	"encryption key" and "card number"	USPAT; EPO	2004/01/20
14	37	"encryption key" and "card ID"	USPAT; EPO	2004/01/20
15	0	"generate an encryption key" and "card	USPAT; EPO	2004/01/20
16	0	"generate an encryption key" and "card"	USPAT; EPO	2004/01/20
17	30	encryption and key and "smart card" and "card ID"	USPAT; EPO	2004/01/20 14:37
18	3		USPAT	2004/01/20 14:38
-	1658	encryption and key and management and "smart card"	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/07/29 07:55
_	172	(encryption and key and management and "smart card") and "master key"	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/07/29
-	19	5604801.URPN.	USPAT	2003/07/29 07:59
-	8	("4969188"   "5111504"   "5142578"   "5200999"   "5237611"   "5265164"   "5412721"   "5513261").PN.	USPAT	2003/07/29 09:42

-	79	("4186871"   "4223403"   "4268715"	USPAT	2003/07/29
		"4281215"   "4288659"   "4295039"		09:46
		"4302810"   "4317957"   "4423287"		
		"4438824"   "4453074"   "4529870"		
		"4575621"   "4578530"   "4588991"		
		"4605820"   "4630201"   "4650975"		
		4605820		
	1			
		"4720859"   "4727244"   "4742351"		
		"4746788"   "4799258"   "4809326"		
		"4827508"   "4837422"   "4847803"		
+		"4862501"   "4866769"   "4885788"		
		"4910774"   "4926480"   "4961142"		
		"4962531"   "4965568"   "4969188"		l
		"4974193"   "4984270"   "5025373"		
		"5036461"   "5093862"   "5103079"		
		"5109152"   "5111504"   "5120939"		i i
		"5144115"   "5146499"   "5175416"		
		"5182770"   "5189287"   "5204512"		
		"5206488"   "5210795"   "5212369"		
		• • • • • • • • • • • • • • • • • • • •		
		"5227614"   "5231569"   "5237609"		
		"5253295"   "5265164"   "5267314"		
		"5276312"   "5288978"   "5317636"		
		"5327497"   "5335276"   "5365225"		
		"5367150"   "5379344"   "5381478"		
		"5396558").PN.		
-	0	("JP-2000207831-\$.did.").PN.	USPAT	2003/07/29
				12:36
_	l o	JP-2000207831-\$.did.	USPAT	2003/07/29
				12:36
1_	594	(713/170-174).ccls.	USPAT	2003/07/31
	334	(/15/1/0 1/1/.0025.	******	08:15
	112	(/712/170_174) CCIS \ and "smart cards"	USPAT	2003/07/31
-	113	((713/170-174).CCLS.) and "smart cards"	OSENI	08:18
		( / 712 / 170 174)	IICDAM	
-	204	((713/170-174).CCLS.) and "smart cards"	USPAT	2003/07/31
				08:18
-	19	(((713/170-174).CCLS.) and "smart cards")	USPAT	2004/01/12
		and "master key"		13:08
-	3	("4926478"   "5640455"   "5666419").PN.	USPAT	2003/07/31
				09:45
-	0	(((713/170-174).CCLS.) and "smart cards")	USPAT	2003/07/31
		and "variable key range"		10:29
_	l o	(((713/170-174).CCLS.) and "smart cards")	USPAT;	2003/07/31
		and "variable key range"	US-PGPUB;	10:33
			EPO; JPO;	l i
			DERWENT;	
			IBM TDB	
	280	"smart card" and "master key"	USPAT;	2003/07/31
-	200	Smart Card and master key	US-PGPUB;	10:34
			EPO; JPO;	10.53
			DERWENT;	
			I: •	
		]	IBM_TDB	1 2002 (07 /21
-	1	(("smart card" and "master key") and	USPAT;	2003/07/31
		encryption) and "key range"	US-PGPUB;	10:35
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	255	("smart card" and "master key") and	USPAT;	2003/07/31
		encryption	US-PGPUB;	10:43
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
1_	142	(380/281).CCLS.	USPAT	2003/07/31
1	142	(300/201).0013.	1 32171	10:44
		(/200/201) GGIG ) and "	TIEDATE	1
-	30	((380/281).CCLS.) and "smart card"	USPAT	2003/07/31
				10:44
-	13	(((380/281).CCLS.) and "smart card") and	USPAT	2003/07/31
		"master key"		11:04
-	1	("5285134").PN.	USPAT	2003/07/31
	<u> </u>		L	11:05

-	1	("0285134").PN.	USPAT	2003/07/31
-	1	("0085134").PN.	USPAT	2003/07/31
_	0	("8285134").PN.	USPAT	2003/07/31
-	1	("5694471").PN.	USPAT	11:09 2003/07/31 12:57
_	255	"smart card" and "master key" and	USPAT;	2003/07/31
		encryption	US-PGPUB; EPO; JPO; DERWENT;	13:00
-	1	("smart card" and "master key" and encryption) and "key range"	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/07/31
			DERWENT; IBM_TDB	
-	255	("smart card" and "master key" and encryption) and key	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/07/31 13:01
-	0	((("smart card" and "master key" and encryption) and key) and "card number") and "group number"	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/07/31 13:01
-	42	(("smart card" and "master key" and encryption) and key) and "card number"	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/07/31 14:17
-	63	"smart cards" and (key near3 range)	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/07/31 14:19
-	32	("smart cards" and (key near3 range)) and "master key"	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/07/31 14:48
-	9	("4200770"   "4218582"   "4405829"   "4850017"   "4908861"   "4918728"   "4924514"   "4924515"   "4941176").PN.	IBM_TDB USPAT	2003/07/31 14:30
-	142	(380/281).CCLS.	USPAT	2003/07/31
-	30	((380/281).CCLS.) and "smart card"	USPAT	2003/07/31
-	345	(380/44).CCLS.	USPAT	2003/07/31
_	43	((380/44).CCLS.) and "smart card"	USPAT	2003/07/31
_	1	("5809140").PN.	USPAT	2003/08/04
-	3	("5455953"   "5604807"   "5627892").PN.	USPAT	2003/08/04
-	1	("5590197").PN.	USPAT	2003/08/04
-	204	"master key" and encryption and decryption and "smart card"	USPAT; US-PGPUB; EPO; JPO;	2003/08/04
-	140	("master key" and encryption and decryption and "smart card") and hash	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/08/04
-	73	(("master key" and encryption and decryption and "smart card") and hash) and PIN	IBM_TDB USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/08/04 10:22

_	16	"encryption key management system"	USPAT; US-PGPUB;	2003/08/04 10:24
	548	"key range"	EPO; JPO; IBM_TDB USPAT;	2003/08/04
		ney range	US-PGPUB; EPO; JPO; IBM TDB	10:25
-	1	"key range" and "smart card"	USPAT; US-PGPUB; EPO; JPO;	2003/08/04 10:27
-	187	"portable processor"	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/08/04 10:28
-	17	"portable processor" and "smart card"	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/08/04 10:39
-	0	"variable key range"	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/08/04
-	49	"encryption variable"	IBM_TDB USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/08/04 11:39
_	8	("3806874"   "4601011"   "4720860"   "4800590"   "4885778"   "4998279"   "5060263"   "5163097").PN.	USPAT	2003/08/04
-	45	"multiple smart cards"	USPAT; US-PGPUB; EPO; JPO;	2003/08/04 11:43
-	10737	"smart cards"	IBM_TDB USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/08/04 11:43
-	270	"smart cards" and "master key"	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/08/04 11:45
-	204	("smart cards" and "master key") and encryption and decryption	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/08/04 13:41
_	1	(("smart cards" and "master key") and encryption and decryption ) and "multiple cards"	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/08/04 13:43
_	204	("smart cards" and "master key") and encryption and decryption	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/08/04 14:09
_	5	"master key" near3 generating near3 "encryption key"	USPAT; US-PGPUB; EPO; JPO;	2003/08/04 13:53
_	97	"master key" near3 generating near3 key	IBM_TDB USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2003/08/04 13:53
-	23	("master key" near3 generating near3 key) and "smart card"	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/08/04 13:58
-	55	("master key" near3 generating near3 key) and encryption and decryption	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/08/04 14:00

-	16		USPAT;	2003/08/04
		key) and encryption and decryption) and	US-PGPUB;	14:01
		"smart card"	EPO; JPO;	
			IBM TDB	
	0	"portable processor" and "master key" and	USPAT;	2003/08/04
		"encryption key"	US-PGPUB;	14:40
			EPO; JPO;	
			IBM_TDB	;
-	1280	"encryption key" and "smart card"	USPAT;	2003/08/04
			US-PGPUB;	14:40
			EPO; JPO;	
			IBM_TDB	
-	9		USPAT;	2003/08/04
		"master key") and "control vector"	US-PGPUB;	14:40
			EPO; JPO;	
			IBM_TDB	
-	173	("encryption key" and "smart card") and	USPAT;	2003/08/04
		"master key"	US-PGPUB;	14:44
			EPO; JPO;	1
			IBM_TDB	
-	89		USPAT;	2003/08/04
		"master key") and "decryption key"	US-PGPUB;	14:50
			EPO; JPO;	
		<u> </u>	IBM_TDB	2002/00/04
-	174	"generating encryption keys"	USPAT;	2003/08/04
			US-PGPUB;	14:51
			EPO; JPO;	
			IBM_TDB	2002/00/04
-	18506	"generating encryption keys" ans "master	USPAT;	2003/08/04
		key"	US-PGPUB;	14:51
			EPO; JPO;	
			IBM_TDB	2003/08/04
-	18	"generating encryption keys" and "master	USPAT;	14:59
		key"	US-PGPUB; EPO; JPO;	14:59
			IBM TDB	
	727	"smart card" and "decryption key"	USPAT;	2003/08/04
-	737	"Smart card" and decryption key	US-PGPUB;	15:26
			EPO; JPO;	13.20
			IBM TDB	
1_	105	("smart card" and "decryption key") and "	USPAT;	2003/08/04
-	103	master key"	US-PGPUB;	15:31
		mas coa hoj	EPO; JPO;	
			IBM TDB	
_	1	("5602918").PN.	USPAT	2003/08/04
		( 4400240 / 12.01	<b>-</b>	15:40
_	14	("4649233"   "4862501"   "4890323"	USPAT	2003/08/04
	• • • • • • • • • • • • • • • • • • •	"5048085"   "5202922"   "5237611"		15:31
		"5272754"   "5345506"   "5347580"		
		"5473689"   "5475757"   "5491749"		
		"5491750"   "5497411").PN.		j i
-	34	generating and "encryption keys" and	USPAT	2003/08/04
		"decryption keys" and "smart cards"		15:49
-	15	(generating and "encryption keys" and	USPAT	2003/08/04
		"decryption keys" and "smart cards") and		15:49
		"master key"		
-	322	generating and "encryption keys" and	USPAT;	2003/08/04
		"decryption keys" and "smart cards"	US-PGPUB;	15:49
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	64	(generating and "encryption keys" and	USPAT	2003/08/04
		"decryption keys" and "smart cards") and		16:02
		"master key"		
-	60	"encryption key management" and "smart	USPAT;	2003/08/04
		card"	US-PGPUB;	16:37
			EPO; JPO;	
			DERWENT;	
		(#5000140#)	IBM_TDB	2002/00/04
-	1	("5809140").PN.	USPAT	2003/08/04
I	l			16:40

-	3	("5455953"   "5604807"   "5627892").PN.	USPAT	2003/08/04
-	142	(380/281).CCLS.	USPAT	2003/08/04
-	58	(380/284).CCLS.	USPAT	2003/08/04
-	3	((380/284).CCLS.) and "smart cards"	USPAT	2003/08/04 16:43
-	237	380/278	USPAT	2003/08/04
-	150	(380/278).CCLS.	USPAT	16:44   2003/08/04   16:45
_	22	((380/278).CCLS.) and "master key"	USPAT	2003/08/04 16:59
-	4	(((380/278).CCLS.) and "master key") and "smart card"	USPAT	2003/08/04
-	12	"multiple smart card"	USPAT	2003/08/04
-	54	"multiple smart card"	USPAT; US-PGPUB;	2003/08/04
			EPO; JPO; DERWENT;	17.00
	3	   "multiple smart card" and "master key"	IBM_TDB USPAT;	2003/08/04
_	3	multiple small cald and master key	US-PGPUB; EPO; JPO;	17:00
			DERWENT; IBM TDB	
_	1	("5311595").PN.	USPAT	2003/08/05
-	18	"master key" and "smart card" and (generating near3 "decryption keys")	USPAT; US-PGPUB;	2003/08/05
		(generating nears decryption keys /	EPO; JPO; DERWENT;	14.07
	1	(#F231F0F#) DN	IBM_TDB USPAT	2003/08/06
_	1	("5311595").PN.	USPAT;	10:14
-	0	"hashing the master key"	US-PGPUB; EPO; JPO;	17:15
			DERWENT; IBM TDB	
. –	6	hashing near3 ("master key")	USPAT; US-PGPUB;	2003/08/05 17:15
			EPO; JPO; DERWENT;	17.13
			IBM_TDB USPAT	2003/08/06
_	0	ouptu near3 "encryption key"		10:15
-	0	ouput near3 "encryption key"	USPAT	2003/08/06
-	65	output near3 "encryption key"	USPAT	2003/08/06
-	0	"outputting the encryption key"	USPAT	2003/08/06
-	1	"outputting encryption key"	USPAT	2003/08/06
_	6	"transferring encryption key"	USPAT	2003/08/06
-	8	"sending encryption key"	USPAT	2003/08/06
_	178	(713/180).CCLS.	USPAT	2003/08/06
-	65	((713/180).CCLS.) and variable	USPAT	2003/08/06
_	7	((713/180).CCLS.) and "generating keys"	USPAT	2003/08/06
_	346	(380/44).CCLS.	USPAT	2003/08/06 10:47

_	9	((380/44).CCLS.) and keys and "master key" and hash	USPAT; US-PGPUB;	2003/08/06 11:40
			EPO; JPO; DERWENT;	
			IBM_TDB	
_	4	hashing near2 "master key"	USPAT; US-PGPUB;	2003/08/06
			EPO; JPO;	11.54
			DERWENT;	
	43	"master key" and hashing and "generating	IBM_TDB USPAT;	2003/08/06
	.5	keys"	US-PGPUB;	14:09
			EPO; JPO; DERWENT;	
			IBM_TDB	
-	44	"generating keys" and "card number"	USPAT; US-PGPUB;	2003/08/06
			EPO; JPO;	13.13
			DERWENT;	
_	3	"hashing master key"	IBM_TDB USPAT;	2003/08/06
			US-PGPUB;	13:14
			EPO; JPO; DERWENT;	
			IBM_TDB	
_	2	(("5,604,801") or ("5,311,595")).PN.	USPAT	2003/08/06 14:14
_	127	(713/169).CCLS.	USPAT	2003/08/06
	1	(#4C000C7#) DN	USPAT	16:32 2003/08/06
_	1	("4608967").PN.	Joseph	16:33
_	1	"ENCRYPTION KEY MANAGEMENT SYSTEM USING MULTIPLE SMART CARDS"	USPAT; US-PGPUB;	2004/01/12
		MOLTIPLE SMARI CARDS	EPO; JPO;	05.05
			DERWENT; IBM TDB	
_	20	(((713/170-174).CCLS.) and "smart cards")	USPAT	2004/01/12
		and "master key"	USPAT	15:13 2004/01/12
-	20	(((713/170-174).CCLS.) and "smart cards") and "master key"	OSFAI	13:31
-	0	"converting content of markup data for wireless devices"	USPAT; US-PGPUB;	2004/01/12 15:14
		Wireless devices	EPO; JPO;	10.11
			DERWENT;	
_	200	spyglass	IBM_TDB USPAT;	2004/01/12
			US-PGPUB;	15:14
			EPO; JPO; DERWENT;	
			IBM_TDB	2004/01/12
-	156	spyglass and data	USPAT; US-PGPUB;	2004/01/12 15:14
			EPO; JPO;	
			DERWENT; IBM TDB	
_	58	(spyglass and data) and converting	USPAT;	2004/01/12
			US-PGPUB; EPO; JPO;	15:14
			DERWENT;	
_	30	((spyglass and data) and converting) and	IBM_TDB USPAT;	2004/01/12
-	30	wireless	US-PGPUB;	15:14
			EPO; JPO; DERWENT;	
			IBM_TDB	
-	61	"multiple smart cards"	USPAT; US-PGPUB;	2004/01/15
			EPO; JPO;	-3.0.
			DERWENT; IBM TDB	
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